2		V
_	U	Λ

			J.
23 MAI	RCH	196	6
PAGES	.5		
PAGE	7	OF	
COPY		OF	

TROPOSCATTER FACILITIES

TYPES AND DEPLOYMENT, USSR

- 1. SIGNIFICANCE: DEPLOYMENT AND COMPARISON OF TYPE I AND II TROPOSCATTER FACILITIES IN THE USSR.
- PIFTEEN TROPOSCATTER FACILITIES OF 2 DIFFERENT TYPES HAVE
 BEEN IDENTIFIED IN THE USSR ON KH PHOTOGRAPHY. THE EARLIER
 IDENTIFIED CONFIGURATION, CONSISTING OF HORIZONTALLY
 CYLINDRICAL ANTENNA REFLECTORS, HAS BEEN DESIGNATED "TYPE I"
 AND HAS BEEN OBSERVED AT MURMANSK (2 FACILITIES) AND MYS
 SERDTSE-KAMEN. THE LATER IDENTIFIED CONFIGURATION, CONSISTING OF "BILLBOARD" TYPE ANTENNA REFLECTORS, HAS BEEN
 DESIGNATED "TYPE II" AND HAS BEEN OBSERVED AT YENISEYSK,
 OKHOTSK, YAKUTSK, IGARKA, SANGAR, ZHIGANSK, MAGADAN, AMDERMA,
 TIKSI, VORKUTA, ANADYR, AND TALDOM. EXCEPT FOR THE AMDERMA
 AND TALDOM FACILITIES, THE "TYPE II" FACILITIES ARE IN THE
 EARLY-TO-MID STAGES OF CONSTRUCTION.

THE TROPOSCATTER FACILITIES IDENTIFIED TO DATE HAVE BEEN DEPLOYED IN APPROXIMATELY THE SAME MANNER AS SOVIET AIR WARNING FACILITIES AND COULD SERVICE THIS NETWORK.

LOCATION: SEE ATTACHED MAP.

These notes have been prepared for briefing purposes only and should not be used for detailed analytical work. Their use should be restricted to the particular briefing board(s) they were prepared for and must be considered valid only for the reporting period as indicated by the date of issue.



d For Release	2006/09/12 : CIA-RDP78T05929A001500040001-0
	23 MARCH 1966
	PAGE 3
5. FIRST	IDENTIFICATION:
/* <u>* Marine -</u>	MURMANSK -
	SANGAR
	YENISEYSK
	AMDERMA
6. NEGATIO	ON DATE: NONE
	UENT COVERAGE:
) * NOWNER	MURMANSK
4.	SANGAR
	YENISEYSK
	AMDERMA NONE
8. DIMENS	IONS/SPECIFICATIONS:
and the same of th	MURMANSK (TYPE I): MESH REFLECTOR - APPROXIMATELY 225 FT LONG
	AMDERMA: ANTENNA - 140 FT TOTAL HEIGHT
	ANTENNA REFLECTOR - 70 FT HEIGHT, 60 FT WIDTH
	FEED TOWER - 55 FT HEIGHT
	ORIENTATION OF REFLECTORS -
	THE AMDERMA FACILITY IS THE ONLY ONE OF TYPE II TO DATE
	WITH THE ANTENNA ERECTED IN OPERATING, AND THUS MEASURABLE,
	POSITION.
9. READOU	I: THE "TYPE I" TROPOSCATTER FACILITY # 1 AT MURMANSK CONSISTS

Approved For Release 2006/09/12 : CIA-RDP78T05929A001500040001 0

23 MARCH 1966 PAGE 4

THE "TYPE II" SUSPECT TROPOSCATTER FACILITY AT SANGAR IS IN THE EARLY STAGES OF CONSTRUCTION. ACTIVITY CONSISTS OF 16 CIRCULAR EXCAVATIONS IN 4 ROWS OF 4 EXCAVATIONS EACH (SUSPECT ANTENNA FOOTINGS); 2 LARGE, RECTANGULAR FLAT-ROOFED CONTROL/SUPPORT BUILDINGS; APPROXIMATELY 10 SMALL BUILDINGS NEAR THE EXCAVATIONS; AND SUPPORT VANS.

THE PROBABLE TROPOSCATTER FACILITY OF "TYPE II"

CONFIGURATION AT YENISEYSK IS IN THE MID-STAGE OF CONSTRUCTION.

THE OPERATIONS AREA CONSISTS OF 1 PROBABLE TRANSMITTING

BUILDING WITH A CUPOLA-TYPE STRUCTURE ON ITS ROOF, FLANKED

ON EACH SIDE BY A LARGE PROBABLE TROPOSCATTER ANTENNA UNDER

CONSTRUCTION WHICH IS COMPOSED OF VERTICAL AND HORIZONTAL

STEEL MULLIONS ANCHORED WITH LARGE CONCRETE FOOTINGS AND PIERS.

AT LEAST 8 OTHER ANCHORS ARE LOCATED TO THE NNW. AREA ALSO

CONTAINS A LARGE SUPPORT BUILDING, NUMEROUS GROUND SCARS AND

CRATES, AND AT LEAST 6 SUPPORT VANS.

THE "TYPE II" TROPOSCATTER FACILITY AT AMDERMA, IN

LATE STAGES OF CONSTRUCTION, CONTAINS 2 REFLECTORS, A

TRANSMITTING BUILDING, 3 CONTROL/SUPPORT BUILDINGS, AT LEAST

VANS, EXTENSIVE GROUND SCARRING AND EXCAVATION WORK, AND

FEED TOWERS.

These notes have been prepared for briefing purposes only and should not be used for detailed analytical work.

Their use should be restricted to the particular briefing boat! A bound of the particular briefing boat! A bound of the control of the particular briefing boat! A boat was a second for and a south of the particular briefing boat! A boat of the control of



	Approved For Release 2006/09/12 : CIA-RÐP78T05929A001500040001-0	25)
	23 MARCH 1966 PAGE <u>5</u>	
L		
	(MURMANSK	25

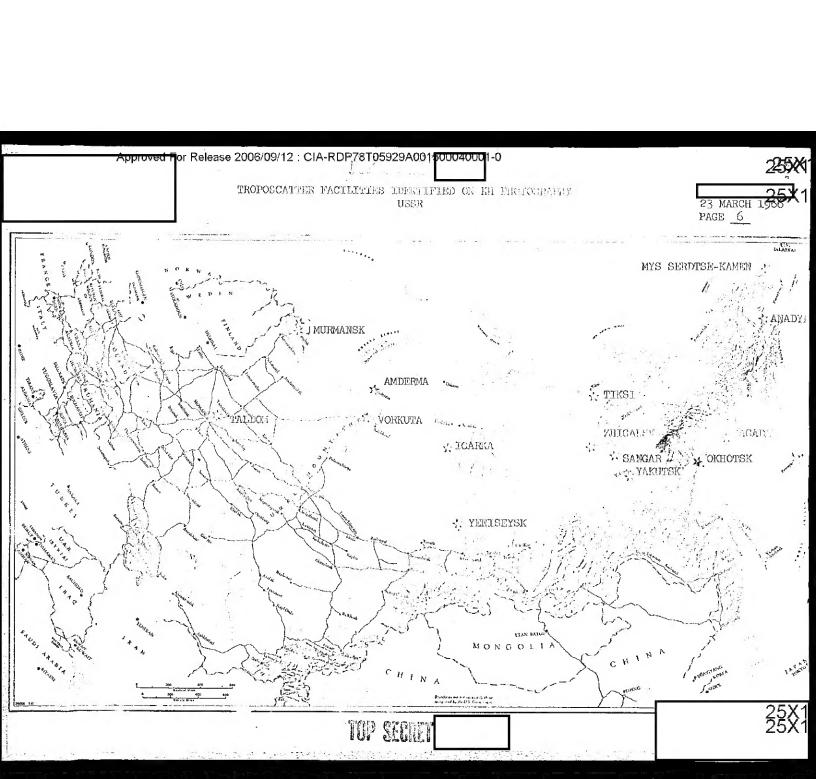
These notes have been prepared for briefing purposes only and should not be used for detailed analytical work. Their use should be restricted to the particular briefing board(s) they were prepared for and must be considered valid only for the reporting period as indicated by the date of is an analytical state.



(SANGAR -

(YENISEYSK

(AMDERMA ·



23 MARCH PAGE 7

CSD/Research Branch PREPARED BY:

DISTRIBUTION:

Copy 1 - Director, MPIC

2 - Chief, CSD/REF/BB Unit

3 & 4 - DIA

5 - Chief, IAD 6 - RB/CSD/XPIC

7 - RAS/REF/CSD

8 - TCO/Army, (Artn:

9 - PAG, (Attn: 10 - TCO/Navy, (Attn: 11 - Files/SBS/RB/CSD

These notes have been prepared for briefing purposes only and should not be used for detailed analytical work. Their use should be restricted to the particular briefing board(s) they were prepared for and must be considered valid

